

21 12-21-11

Quiz tomorrow

- prime factorization
- GCF
- simplifying fractions
- Venn diagrams
- Fractions  $\rightarrow$  Decimals  $\rightarrow$  Fractions

5-4 Fractions + Decimals

$\frac{2}{5}$   $\leftarrow$  2 divided by 5

$$\begin{array}{r} .4 \\ 5 \overline{) 2.0} \\ \underline{-2.0} \\ 0 \end{array}$$

$$\frac{2}{5} = .4$$

terminating decimal

8/5

$$\begin{array}{r} .625 \\ 8 \overline{) 5.000} \\ \underline{-48} \\ 20 \\ \underline{-16} \\ 40 \end{array}$$

$\frac{2}{3}$

$$\begin{array}{r} .666... \\ 3 \overline{) 2.000} \\ \underline{-18} \\ 20 \\ \underline{-18} \\ 20 \end{array}$$

repeating decimal

$\overline{.6}$

bar notation

bar goes above all places that repeat